Anti-Human pCleaved Caspase-7-152Sm

Catalog: 3152014A  
Clone: D6H1  
Package Size: 50 tests  
Isotype: Not Specified  
Storage: Store product at 4°C. Do not freeze.  
Formulation: Antibody stabilizer with 0.05% Sodium Azide

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 µl for up to 3 X 10^6 live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.

Description

Caspase-7, a member of the caspase (cysteine aspartate protease) family of proteins, has been shown to be a executioner protein of apoptosis upon cell death stimuli. During apoptosis, caspase-7 is activated through proteolytic processing at conserved aspartic residues by upstream enzymes, including caspase 3, 6, 8, 9 and granzyme B. Active caspase 7 is in the form of a heterotetramer with two large and two small subunits. As an effector caspase similar to caspase-3, caspase-7 cleaves downstream substrates like poly (ADP-ribose) polymerase (PARP) through the recognition sequence DEVD.

References
